Ontario

Ministry of Natural Resources

Hon. Michael Harris
Minister

Mary Mogford
Deputy Minister

Ministry of Northern Affairs

Hon. Leo Bernier
Minister

David Hobbs
Deputy Minister

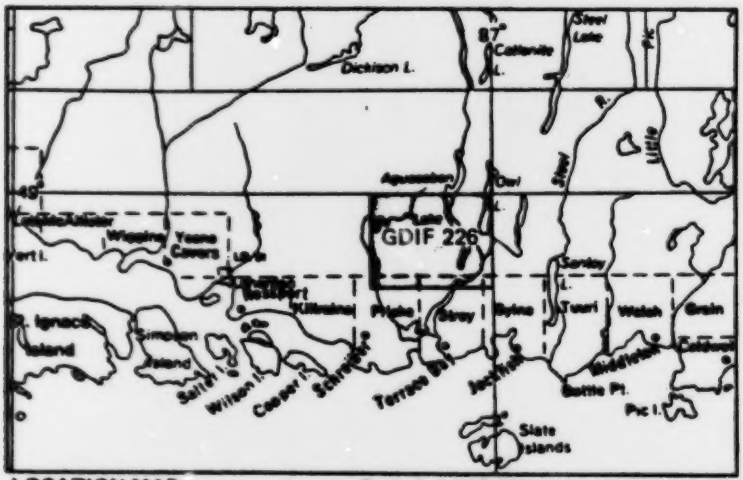
ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO
GDIF 226

LOWER AGUASABON LAKE AREA

DISTRICT OF THUNDER BAY

Compiled by the Staff of
the Resident Geologist's Office
Thunder Bay



LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

86-1429/

NTS Number 42 D 14/NE

Mining Claim Map Number Lower Aguasabon Lake Area G-599

This project was funded by the Ministry of Northern Affairs (MNA).

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1985: Lower Aguasabon Lake Area, District of Thunder Bay; Ontario Geological Survey, Geological Data Inventory Folio 226; compiled by the staff of the Resident Geologist's Office, Thunder Bay, 26 pages and 2 maps.

Original Compilation by: P. Perry

Date	Page Revised	Revised by

Date	Page Revised	Revised by

LOWER AGUASABON LAKE AREA

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ACCOMPANYING MAPS

Property Location Map - 1

Exploration Data Map - 1

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	**20.116 8**	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	P. DEC./84
2	Assessment Files Research Office, Toronto	YES	P. DEC./84
3	ODM General Index; 7 volumes	YES	P. DEC./84
4	Catalogue of Airborne Geophysical Surveys (ODM)	YES	P. DEC./84
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	YES	P. DEC./84
6	ODM Industrial Mineral Reports	NO	P. DEC./84
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	P. DEC./84
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	YES	P. DEC./84
9	Newspaper Clippings File	YES	P. DEC./84
10	GSC Index to Publications	YES	P. DEC./84
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	P. DEC./84
12	OGS Index Maps	YES	P. DEC./84
13	Source Mineral Deposit Records (O.G.S.)	PARTIAL	P. DEC./84
14	Author - Subject Articles File	YES	P. DEC./84
15	Miscellaneous Papers: ODM & OGS	YES	P. DEC./84
16	ODM Geological Circulars: OGS Study Series	NO	P. DEC./84
17	ODM Preliminary Reports: ODM Bulletins	YES	P. DEC./84
18	ODM – OGS Open File Reports	YES	P. DEC./84
19	OGS Northern Ontario Engineering Geology Terrain Studies	YES	P. DEC./84
20	OGS Aggregate Resources Inventory Papers	N.A.	P. DEC./84
21	OGS Mineral Potential Maps	YES	P. DEC./84

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . Anhydrite
- △ ank. . . . . Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . Apatite
- △ arg . . . . . Argentite
- △ As . . . . . Arsenic
- △ asp . . . . . Arsenopyrite
- △ asb . . . . . Asbestos
- △ ba. . . . . Barite
- △ be. . . . . Beryl
- △ Bi. . . . . Bismuth
- △ bn . . . . . Bornite
- △ bran . . . . . Brannerite
- △ bruc . . . . . Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . Carbonate
- △ cel . . . . . Celestite
- △ cc. . . . . Chalcocite
- ▲ cp. . . . . Chalcopyrite
- △ ch. . . . . Chert
- △ clay . . . . . Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . Columbite
- ▲ Cu . . . . . Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . Feldspar
- △ fl . . . . . Fluorite (flurospar)
- △ fu. . . . . Fuchsite
- △ gn. . . . . Galena
- ▲ gt. . . . . Garnet
- △ goe . . . . . Goethite
- ▲ Au . . . . . Gold
- ▲ gf. . . . . Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . Ilmenite
- △ Fe . . . . . Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . Magnesite
- △ mag . . . . . Magnetite
- △ mc . . . . . Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . Marl
- △ mi . . . . . Mica
- △ ml . . . . . Millerite
- ▲ mo . . . . . Molybdenite
- ▲ Mo . . . . . Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . Niobium
- △ Pd . . . . . Palladium
- △ peat . . . . . Peat
- △ pent . . . . . Pentlandite
- △ Pt. . . . . Platinum
- ▲ py . . . . . Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . Pyrolusite
- ▲ po . . . . . Pyrrhotite
- △ q . . . . . Quartz
- △ qcv . . . . . Quartz carbonate vein
- △ ra. . . . . Radioactive minerals
- △ RE . . . . . Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . Silica
- △ Ag . . . . . Silver
- △ sl . . . . . Slate
- △ sm . . . . . Smaltite
- △ sod . . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . Sphalerite
- △ spd . . . . . Spodumene
- △ staur . . . . . Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . Stone
- △ talc. . . . . Talc
- △ Te . . . . . Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . Thorite
- △ Th . . . . . Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . Tourmaline
- △ trap . . . . . Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . Uranium
- △ verm . . . . . Vermiculite
- △ Y . . . . . Yttrium
- △ Zn . . . . . Zinc
- △ zr . . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps and in drill logs.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Cowan Occurrence (Jackfish-Pritchard, Martin-Hunt, Owl Lake)	Mo?, py, po, Au		MRC 7, p. 71[1]	
B	Owl Lake Occurrence (Pipawa)	Mo, Au			OGS 1938, AR Vol. 47, Pt. 9, p. 40 OGS 1967, GR 50, p. 35
C	Mitto Occurrence (Ascot Metals)	Cu		MRC 1, p. 25 MRC 2, p. 45 MRC 12, p. 320	

Notes:

1. Co-ordinates given in MRC are for Owl Lake Occurrence, information listed is for Cowan Occurrence.

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
1	Ascot Metals Corporation (East Sullivan Mines Ltd. - Mitto Option) F.N.: 63A.110	50			54	50														
2.	Aurelian Developers Ltd. F.N.: 2.6190								83	83										
3.	Barracuda Resources Ltd. (Gracey, K.A.) F.N.: 2.6385, 2.7082	83	83						83	83										
4	Bel-Air Resources Ltd. (Gracey, K.A.) F.N.: 2.6144, 2.7081	84	84						83	83										
5	Bellevue Oil & Minerals Ltd. (Noranda Exploration Co., Ltd.) F.N.: 2.6782, 2.7244	84							83	83										
6	Bullet Energy Ltd. (Gracey, K.A.) F.N.: 2.6386, 2.7078	83	83						83	83										
7	Chapel Bay Explorations Inc. (Cunningham, M.) F.N.: 2.6531	83	83									83	83							

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
8	Chapel Bay Explorations Inc. (Cunningham, M.) F.N.: 2.6850														84					
9	Chapel Bay Explorations Inc. (Cunningham, M.) F.N.: 2.7120											84	84							
10	Charger Resources Ltd. (Gracey, K.A.) F.N.: 2.6382, 2.7074	83	83						83	83										
11	Corporation Falconbridge Copper F.N.: 2.5394								82[1]											
12	Corporation Falconbridge Copper F.N.: 2.5394								82[1]											
13	Corporation Falconbridge Copper F.N.: 2.6047									82[1]										
14	Corporation Falconbridge Copper F.N.: 2.6769		84[1]																	
15	Corporation Falconbridge Copper F.N.: 2.6770											84	84							

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																	
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY		
	COMPANY/AUTHOR (file number)																		
16	Cowan, Sol			69 70															
17	Empire Explorations Ltd. (McMillan & Kydel Option)	60^{2}							60^{2}							60^{2}			
18	Falconbridge Nickel Mines Ltd. F.N.: 63.207	50^{1}						53^{1}				50^{1}							
19	Flintrock Mines Ltd. F.N.: 2.7151											84	84						
20	Goldpac Investments Ltd. F.N.: 2.6220											83	83						
21	Gracey, K.A. (PEZIM-BLOCK C) F.N.: 2.6143								83	83									
22	Green River Resources Ltd. F.N.: 2.6208											83	83						
23	Greyhawk Resources Ltd. (Gracey, K.A.) F.N.: 2.6147								83	83									
24	Hudson Bay Explor. & Dev. Co. Ltd. (Group A)				73 74														

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIG	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
25	Hudson Bay Explor. & Dev. Co. Ltd (Group B)				73															
26	Kennco Explorations (Can.) Ltd. F.N.: 2.649									71										
27	Kennco Explorations (Can.) Ltd. F.N.: 2.649									71[3]										
28	Kennco Explorations (Can.) Ltd. F.N.: 2.1221											71	71							
29	Kennco Explorations (Can.) Ltd. F.N.: 2.1221											71	71							
30	Lazurus/Rich/Hercules Resources Ltd. (Gracey, K.A.) F.N.: 2.7304								84	84										
31	Lazurus/Rich/Hercules Resources Ltd. (Gracey, K.A.) F.N.: 2.7304								84	84										
32	Lazurus Resources Ltd. (Gracey, K.A.) F.N.: 2.7080	83	83																	

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	PROPERTY REPORT		
33	Lunar Resources/Montrose Resources Ltd. (Gracey, K.A.) F.N.: 2.6122, 2.7166	83	83						83	83										
34	Marge Enterprises Ltd. F.N.: 2.6206											83	83							
35	Martin-Hunt Mining Ltd. (Empire Explorations Property) F.N.: 63.1964				65			66					65					65		
36	McKenzie, Raymond (Troy Minerals & Technology Ltd.) F.N.: 2.6184								83	83										
37	Mikkonen, R.V.			83																
38	Nicohal Mines Ltd.	70[1]						70[1]												
39	Noranda Exploration Co. Ltd. F.N.: 2.5763								83	83										
40	Noranda Exploration Co. Ltd. F.N.: 2.5763								83	83										
41	Noranda Exploration Co. Ltd. F.N.: 2.5952								83[4]											

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	COMPILATION OF PREVIOUS WORK		
COMPANY/AUTHOR (file number)																				
42	Noranda Exploration Co. Ltd. F.N.: 2.2276												76							
43	Noranda Exploration Co. Ltd. F.N.: 2.2542	77																		
44	Noranda Exploration Co. Ltd. F.N.: 2.6065, 2.7025, 2.7197	84							83[1]	83[1]		84[1]	84[1]							
45	OreQuest Consultants Ltd. (Gracey, K.A.) F.N.: 2.7413								84[5]	84[5]										
46	Pipawa Explorations Ltd. (Owl Lake Ltd. Mo property) F.N.: 2.6541		83															83		
47	Prophet Resources Ltd. F.N.: 2.6207											83	83							
48	Rich Resources Ltd. (Gracey, K.A., see also Lazurus/Rich Resources) F.N.: 2.7165	83	83																	
49	S.O. Resources Ltd. (Gracey, K.A.) F.N.: 2.6158								83	83										
50	Teck Exploration Ltd. F.N.: 2.5620											83	83							

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1988.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
51	Teck Exploration Ltd. F.N.: 2.5622											83	83							
52	Teck Exploration Ltd. F.N.: 2.5623											83	83							
53	Teck Exploration Ltd. F.N.: 2.5624											82	82							
54	Teck Exploration Ltd. F.N.: 2.5625											82	82							
55	Teck Exploration Ltd. F.N.: 2.5626											82	82							
56	Thompson, Doug (Springfield Resources Ltd.) F.N.: 2.6180								83	83										
57	Tong, D.S.W., Minichiello, P., Zubroniewich, E. F.N.: 2.6262								83[6]	83[6]										
58	United Montauban Mines F.N.: 63.535												54[1]							
59	Vulcan Resources Ltd. F.N.: 2.6121, 2.7076	83	83						83	83										

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
60	Zenmac Metal Mines Ltd. (see also Pipawa Resources) F.N.: 63.2650		69		66							69								
61	Zenmac Metal Mines Ltd. F.N.: 2.849	72																		

Notes:
1. Filed 42 D 14/NW
2. Map only - no report
3. No anomalies plotted on this sheet.
4. Survey extends beyond property boundary.
5. Filed 42 D 15/NW
6. Filed 42 D 14/SE

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (feet)	Total Length of Hole (feet)	Mineralization Noted in Log	Assay Data Included for
1	Ascot Metals Corporation	AL-1	Mar./54	315°	-44°	6.0	374.0	py, po, cp	
2	Hudson Bay Explor. & Dev.	A-1-1A	Sept./74	180°	-45°	27.0	139.0	py, po	
3	" " " " "	A-2-1	Aug./73	360°	-45°	4.0	145.0	gt, py, po	
4	" " " " "	A-2-2	"	360°	-45°	12.0	119.0	py, po, gf	
5	" " " " "	B-1-1	"	360°	-45°	7.0	126.0	gt, py, po	
6	" " " " "	B-1-2	"	360°	-45°	8.0	168.0	po, py	
7	" " " " "	B-1-3	Sept./73	360°	-45°	4.0	248.5	py, po	
8	" " " " "	B-2-1	Aug./73	360°	-45°	14.0	120.0	po, py	
9	" " " " "	B-3-1	Oct./73	150°	-45°	8.0	156.0	py	
10a	Martin-Hunt Mining Ltd.	1	Oct./65	070°	-70°[1]	2.0	105.0	py, po	
b	" " " "	2	Oct./65	110°	-70°[1]	1.0	100.0	py, po	
c	" " " "	3	Nov./65	215°	-55°	-	145.0	py, po,	
11a	Zenmac Metal Mines Ltd.	1	Oct./66	118°	-31°	4.0	133.0	py, cp, mo, po	
b	" " " "	2	"	298°	-30°	4.0	131.0	po, py, cp, mo	
12a	" " " "	3	"	180°	-30°	-	133.0	po, py, cp, mo	
b	" " " "	4	Nov./66	180°	-30°	-	127.0	po, py, cp, mo	

1. Dip of hole in question

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
2	Aerodat Ltd. Aurelian Developments Ltd. F.N.: 2.6190	Magnetic, electromagnetic, VLF-E.M.	60 m	N/S	100 m
3	Aerodat Ltd. Barracuda Resources Ltd. F.N.: 2.6385	Magnetic, electromagnetic, VLF-E.M.	60 m	N/S	100 m
4	Aerodat Ltd. Bel-Air Resources Ltd. F.N.: 2.6144	Magnetic, electromagnetic, VLF-E.M.	60 m	N/S	100 m
5	Questor Surveys Ltd. Bellevue Oil & Gas F.N.: 2.6782	Magnetic, electromagnetic	120 m	N/S	250 m
6	Aerodat Ltd. Bullet Energy Ltd. F.N.: 2.6386	Magnetic, electromagnetic, VLF-E.M.	60 m	N/S	100 m
10	Aerodat Ltd. Charger Resources Ltd. F.N.: 2.6382	Magnetic, electromagnetic, VLF-E.M.	60 m	N/S	100 m
11	Questor Surveys Ltd. Corporation Falconbridge Copper F.N.: 2.5394	Magnetic	122 m	NW/SE	200 m
12	Questor Surveys Ltd. Corporation Falconbridge Copper F.N.: 2.5394	Magnetic	122 m	NW/SE	200 m
13	Questor Surveys Ltd. Corporation Falconbridge Copper F.N.: 2.6047	Electromagnetic, VLF-E.M.	122 m	NW/SE	200 m

GDIF FORM NO. 4

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
21	Aerodat Limited Gracey, K.A. (Pezim-Block C)	Magnetic, electromagnetic, VLF-E.M.	60 m	N/S	100 m
23	Aerodat Limited Greyhawk Resources Limited F.N.: 2.6147	Magnetic, electromagnetic, VLF-E.M.	60 m	N/S	100 m
26	Lockwood Survey Corp. Ltd. Kennco Explorations F.N.: 2.649	Electromagnetic	200-250 ft	N/S	1000 ft
27	Lockwood Survey Corp. Ltd. Kennco Explorations F.N.: 2.649	Electromagnetic	200-250 ft	NE/SW	1000 ft
30	Aerodat Limited Lazurus/Rich/Hercules Resources Ltd.	Magnetic, electromagnetic, VLF-E.M.	60 m	N/S	100 m
31	Aerodat Limited Lazurus/Rich/Hercules Resources Ltd.	Magnetic, electromagnetic, VLF-E.M.	60 m	N/S	100 m
33	Lunar Resources Ltd./Montrose Resources Ltd. F.N.: 2.6122	Magnetic, electromagnetic, VLF-E.M.	60 m	N/S	100 m
36	Aerodat Limited McKenzie, Raymond F.N.: 2.6184	Magnetic, electromagnetic, VLF-E.M.	60 m	N/S	100 m
39	Questor Surveys Limited Noranda Exploration Co. Ltd. F.N.: 2.5763	Magnetic, electromagnetic	120 m	N/S	250 m

GDIF FORM NO. 4

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
40	Questor Surveys Limited Noranda Exploration Co. Ltd. F.N.: 2.5763	Magnetic, electromagnetic	120 m	N/S	250 m
41	Questor Surveys Limited Noranda Exploration Co. Ltd. F.N.: 2.5952	Magnetic	120 m	N/S	250 m
44	Questor Surveys Limited Noranda Exploration Co. Ltd.	Magnetic, electromagnetic	120 m	N/S	250 m
45	Aerodat Limited OreQuest Consultants Limited	Magnetic, electromagnetic, VLF-E.M.	60 m	E/W	100 m
49	Aeordat Limited S.O. Resources Limited F.N.: 2.6158	Magnetic, electromagnetic, VLF-E.M.	60 m	N/S	100 m
56	Aeordat Limited Thompson, D. F.n.: 2.6180	Magnetic, electromagnetic, VLF-E.M.	60 m	N/S	100 m
57	Aerodat Limited Tong, D.S.W. F.N.: 2.6262	Magnetic, electromagnetic, VLF-E.M.	60 m	N/S	100 m
59	Aerodat Limited Vulcan Resources Limited F.N.: 2.6121	Magnetic, electromagnetic, VLF-E.M.	60 m	N/S	100 m

GDIF FORM NO. 4

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		
1	Humus Sampling (A horizon)	Au, Ag, Mo, Cu, Zn, As	Barracuda Resources Ltd. (OreQuest Consultants)	Resident Geologist's Assessment Files, Thunder Bay
2	Humus Sampling, Soil Sampling (B horizon), Lithogeochemical	Au, As, Mo, Cu, Zn, As	Bel-Air Resources Ltd. (OreQuest Consultants)	Resident Geologist's Assessment Files, Thunder Bay
3	Soil Sampling (A horizon)	Au, Mo, Zn	Bullet Resources Ltd. (OreQuest Consultants)	Resident Geologist's Assessment Files, Thunder Bay
4	Humus Sampling	Au	Chapel Bay Exploration Inc. (Derry, Michener, Booth & Wahl)	Resident Geologist's Assessment Files, Thunder Bay
5	Soil Sampling (A horizon)	Au, Ag, Mo, Cu, Zn, Ag	Charger Resources Ltd. (OreQuest Consultants)	Resident Geologist's Assessment Files, Thunder Bay
6	Lithogeochemical	Zn	Corporation Falconbridge Copper	Resident Geologist's Assessment Files, Thunder Bay
7	Soil Sampling (B horizon)	Au, Ag, Mo, Cu, Zn, Ag	Lazurus Resources Ltd. (OreQuest Consultants)	Resident Geologist's Assessment Files, Thunder Bay
8	Humus Sampling (A horizon), Lithogeochemical	Au, Ag, Mo, Cu, Zn, Ag	Lunar Resources Ltd. (OreQuest Consultants)	Resident Geologist's Assessment Files, Thunder Bay
9	Soil Geochemistry (B horizon)	Mo	Pipawa Explorations Ltd.	Resident Geologist's Assessment Files, Thunder Bay

GDIF FORM NO.5

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
10	Soil Geochemistry (B horizon)	Au, Ag, Mo, Cu, Zn, Ag	Rich Resources Ltd. (OreQuest Consultants)	Resident Geologist's Assessment Files Thunder Bay
11	Soil Geochemistry (B horizon)	Au, Ag, Mo, Cu, Zn, As	Vulcan Resources Ltd. (OreQuest Consultants)	Resident Geologist's Assessment Files, Thunder Bay
12	Soil Geochemistry (B horizon)	Mo	Zenmac Metal Mines (H.B. & O. Engineering Ltd.)	Resident Geologist's Assessment Files, Thunder Bay

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Thunder Bay

Aurelian Developers Limited
Bel-Air Resources Limited
Charger Resources Limited
Corporation Falconbridge Copper
Falconbridge Nickel Mines Limited
Flint Rock Mines Limited
Greyhawk Resources Limited
Hudson Bay Exploration & Development Company Limited
Marge Enterprises Limited
Montrose Resources Limited
Nicohal Mines Limited
Noranda Exploration Company Limited
Springfield Resources Limited
Teck Exploration Limited
Vulcan Resources Limited
Zenmac Metal Mines Limited

ODM GENERAL INDEX SEARCH

Words searched: Aguasabon Lake & River - Upper & Lower, Ansell Lake, Ascot Metal Corporation, Cameron Lake, Crossman Lake, Davidson Lake, East Sullivan Mines Limited, Empire Exploration Limited, Martin-Hunt Mining Limited, Mitto Option, Owl Lake, Pipawa Exploration Limited, Syenite Lake

Index Volume	Listing:	Report Volume	Part	Page
1	Cameron Lake, North of Lake Superior, Thunder Bay District			
	Fault west of	14	1	311
	Iron ore near	14	1	336
	Minor references to	14	1	285, 292
	Rocks on and near	14	1	316
2	Ansell Lake, Northwest of McQuaig Lake, Thunder Bay District			
	Rocks	30	4	4
	See also map 30a with	30	4	
	Cameron Lake, North of Lake Superior, Thunder Bay District			
	Iron formation, notes on	I.O.		187
	Davidson Lake, North of Ellis Lake, Thunder Bay District			
	Rocks. See map 30a with	30	4	
3	Aguasabon Lake, North of Schreiber			
	Geology of area, report on, by M. W. Bartley	49	7	1-11
	Aguasabon* River, Lake Superior (*or Black)			
	Power sites on	49	7	3
	Rocks	47	9	5
	Sand and gravel, notes and photo	47	9	30, 36
	Davidson Lake, Northeast of Schreiber			
	Syenite porphyry	47	9	35
	Owl Lake, Northwest of Jackfish			
	Canoe route to	47	9	31
	Molybdenite claim	47	9	39, 40
7	Ascot Metals Corporation Limited			
	Mining property, Township 84			
	Reports on			
	(1954)	MRC 1		25
	(1957)	MRC 2		45

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
8	Aguasabon River			
	Dickison Lake area, Thunder Bay District	GR050		30
		GR123		7, 15, 16
	Empire Exploration Limited			
	Bamoos Lake area, Thunder Bay District	GR043		43-44
	Mitto Prospect			
	Township 84, Thunder Bay District			
	Mining property, report on	MRC012		320
	Owl Lake			
	Cairngorm Lake area, Thunder Bay District	GR050		3-35
	passim			
9	Aguasabon River			
	Schreiber area, Thunder Bay District	NOTS059		8, 9
	Ascot Metals Corporation Limited			
	Terrace Bay area, Thunder Bay District	MP096		42-43, 45
	Cameron Lake			
	Pukaskwa River area, Thunder Bay District	GR153		24
	East Sullivan Mines Limited			
	Terrace Bay area, Thunder Bay District	MP096		42

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Ayres, L. D., Lumbers, S. B., Milne, V. G., Robeson, D. W.	1971	Ontario Geological Map, West Central Sheet.	ODMNA Map 2199	1 inch to 16 miles
Pye, E. G.	1968	Nipigon-Schreiber, Thunder Bay District, Ontario; Geological Compilation Series. Associated maps: 2137, P-357, P-358, P-360.	ODM Map 2232	1 inch to 4 miles
		GEOLOGICAL MAPS AND REPORTS		
Bartely, M. W.	1938	The Northeastern Part of the Schreiber Area, Thunder Bay District, Ontario. Accompanied by map 47J. Associated report PR 1937-2.	ODM AR Vol. 47, Pt. 9	pp. 29-40 2 inches to 1 mile
Bartely, M. W.	1940	Geology of the Big Duck-Aguasabon Lakes Area, Thunder Bay District, Ontario. Accompanied by map 49K. Associated report PR 1939-7.	ODM AR Vol. 49 Pt. 7	pp. 1-11 2 inches to 1 mile
Bell, R.	1872	Report on the Country North of Lake Superior, between the Nipigon and Michipicoten Rivers, Ontario.	GSC Report of Progress 1870-1871, Pt. 8	
Carter, M. W.	1981	Precambrian Geology of the Terrace Bay Area, East Sheet, NTS 42 D 14/NE, Thunder Bay District, Ontario.	OGS Map P-2418	1:15,840
Carter, M. W.	1981	Precambrian Geology of the Terrace Bay Area, West Sheet, NTS 42 D 14/NE, Thunder Bay District, Ontario.	OGS Map P-2417	1:15,840

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Carter, M. W.	1982	Precambrian Geology of the Terrace Bay Area, Northwest Sheet, NTS 42 D 14/NE, 42 E 3/SE, Thunder Bay District, Ontario.	OGS Map P-2557	1:15,840
GSC	1935	Lake Nipigon Sheet, Ontario.	GSC Map 308A	1 inch to 8 miles
Hopkins, P. E.	1921	Schreiber-Duck Lake Area, Thunder Bay District, Ontario. Accompanied by map 30A.	ODM AR Vol. 30, Pt. 4	pp. 1-26 1 inch to 1 mile
Marmont, Soussan	1984	The Terrace Bay Batholith and Associated Mineralization.	OGS - OFR 5514	
Marmont, Soussan, Colvine, A. C.	1983	The Geology and Mineralization of the Terrace Bay Batholith, Mink Lake Stock, and Cairo Stock.	OGS MP 100	pp. 230-233
Tanton, T. L.	1921	Nipigon-Schreiber District, Ontario.	GSC Summary Report 1920, Pt. D	pp. 2-7
Walker, J. W.	1967	Geology of the Jackfish-Middleton Area, District of Thunder Bay, Ontario. Accompanied by maps 2107, 2112.	ODM GR 50	2 inches to 1 mile
Wilson, W. J., Collins, W. H.	1909	Geological Reconnaissance of a Portion of Algoma, and Thunder Bay Districts, Ontario, and Report on the Region Lying North of Lake Superior between the Pic and Nipgion Rivers, Ontario. Accompanied by map 964.	GSC Separate Report 980 and 1081	

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOPHYSICAL MAPS AND REPORTS		
ODM - GSC	1963	Aeromagnetic Map Schreiber, Ontario (42 D 14).	GSC Map 2139G	1:63,360
ODM - GSC	1965	Aeromagnetic Map Schreiber, Ontario (42 D).	GSC Map 7088G	1 inch to 4 miles
ODM - GSC	1970	Albany River, Algoma, Cochrane, Kenora, Sudbury, Thunder Bay and Timiskaming Districts, Ontario; Aeromagnetic Compilation Map.	ODM Map P-578	1 inch to 16 miles
		GEOCHEMICAL MAPS AND REPORTS		
GSC	1981	National Geochemical Reconnaissance Coloured Compilation Map Series; Lake Superior, Ontario.	GSC - OFR 746	1:2,000,000
GSC - OGS	1978	Field Operations and Analytical and Statistical Data of Regional Lake Sediment and Water Geochemistry, Schreiber and Part of Longlac, NTS 42 D, 42 E, Thunder Bay District. Accompanied by maps P-1805 to P-1818.	GSC - OGS - OFR 5248	
		MINERAL POTENTIAL MAPS		
Springer, J. S.	1978	Ontario Mineal Potential, Schreiber Sheet, NTS 42 D, Thunder Bay District, Ontario.	OGS Map P-1520	1:250,000
Springer, J. S., et al	1982	Mineral Potential Map of Ontario, West Central Sheet, NTS 42/NW, 42/W, 43/SW, 52, 53/SE.	OGS - OFR 5326	

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Farrand, W. R.	1960	Former Shorelines in Western and Northern Lake Superior Basin.	Unpublished Ph.D. Thesis, University of Michigan	
Gartner, J. F.	1980	Northern Ontario Engineering Geology Terrain Study 59, Schreiber Area, NTS 42 D/NW, Thunder Bay District, Ontario. Accompanied by map 5092.	NOEGTS 59	1:100,000
Surveys and Mapping Branch Department of Energy Mines and Resources	1968	Topographic Map, Schreiber Sheet, Thunder Bay District, Ontario (42 D 14/E).		1:50,000
Zoltai, S. C.	1965	Thunder Bay Surficial Geology, NTS 42 D, E, L; 52 A, H, I, Ontario.	ODLF Map S2-65	1 inch to 8 miles
Zoltai, S. C.	1967	Glacial Features of the North Central Lake Superior Region, Ontario.	Canadian Journal of Earth Sciences Vol. 4, No. 2	pp. 515-528

GDIF FORM NO.8

87° 15'

49° 00'

14, 15, 58, 11

14

15

58

11

13

39

12

27

Harvie

20

Agnasabon

Lake

Cr

27

39

Cameron Lake

13

27

11

Cameron

Cr

13

Cr

Crossman

13

Bluff

Lake

L

37

Deep

26

32, 30

48, 30

87° 00'

49° 00'

Aguasabon

Lake

Cr

Owl

Lake

Garnet

Id

Lower

Lake

20

27

27

41

40

40

16

17

35

45

37

31

60

61

26

60

46

32, 30

48, 30

Ontario

Ministry of Natural Resources

Hon. Michael Harris
Minister

Mary Mogford
Deputy Minister

Ministry of Northern Affairs

Hon. Leo Bernier
Minister

David Hobbs
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 226

(Map **1** of **2**)

LOWER AGUASABON LAKE AREA

DISTRICT OF THUNDER BAY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

Deep

Clear Bay

Robbie Cr.

Robbie L.

Spoke L.

Hub L.

Syenite Cr.

Maude

Rhumly Lake

Fog L.

Ducell

Syenite Lake

Ansell L.

Duck Cr.

Big Ansell Lake

McQuaig Lake

Ellis Lake

Fog Lake

Davidson Lake

48° 52' 30"

87° 15'

37

26

32, 30

48, 30

43

42, 48, 30

3

32, 30

28, 42

53

28

54

50

55

52

51

2

38

5

18

19

7

8

44

1

19, 1, 38

1

5, 38

9

5

38

22

34

Davidson 26

29

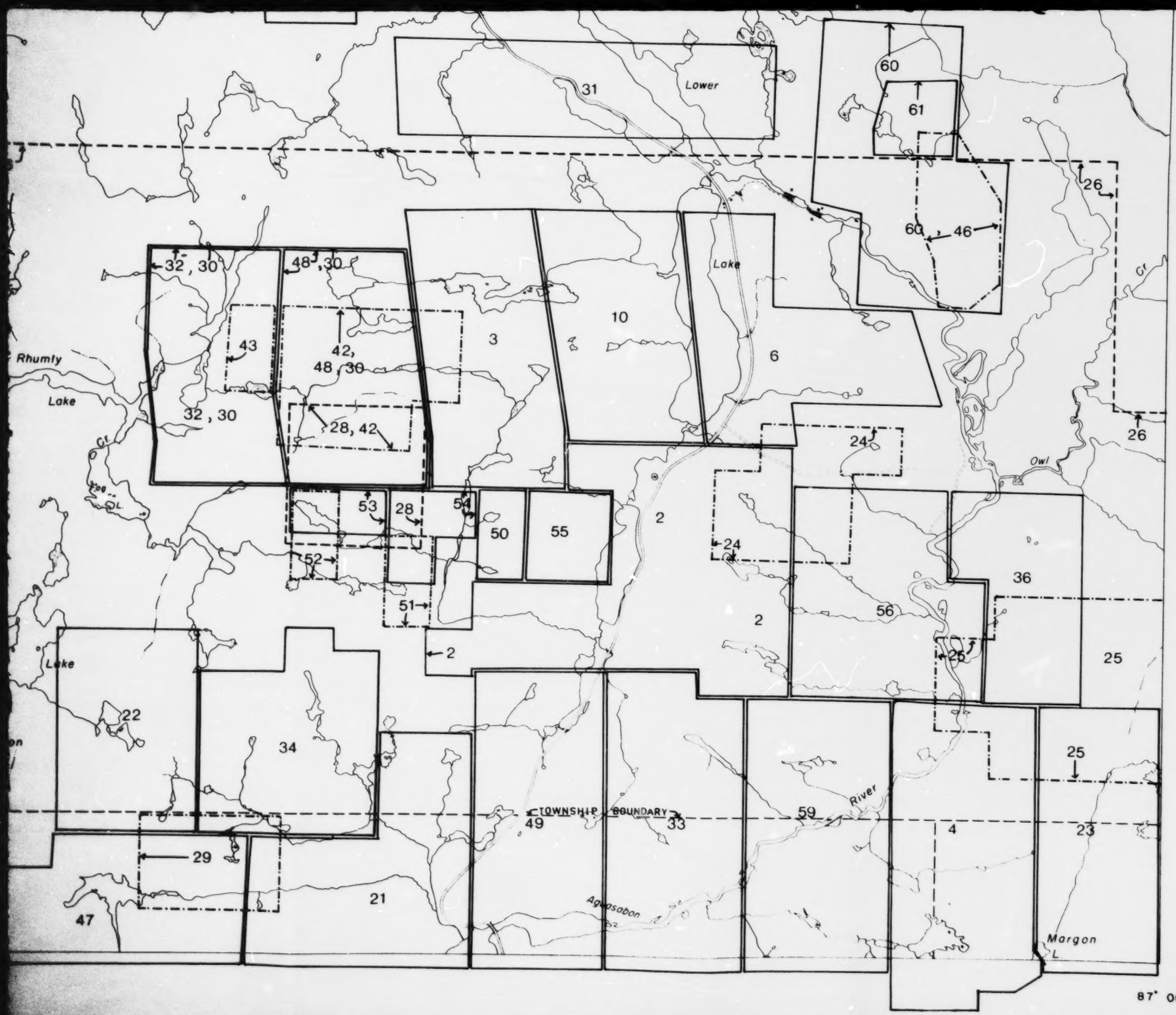
57

47

21

49

TOWNSH



EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration.

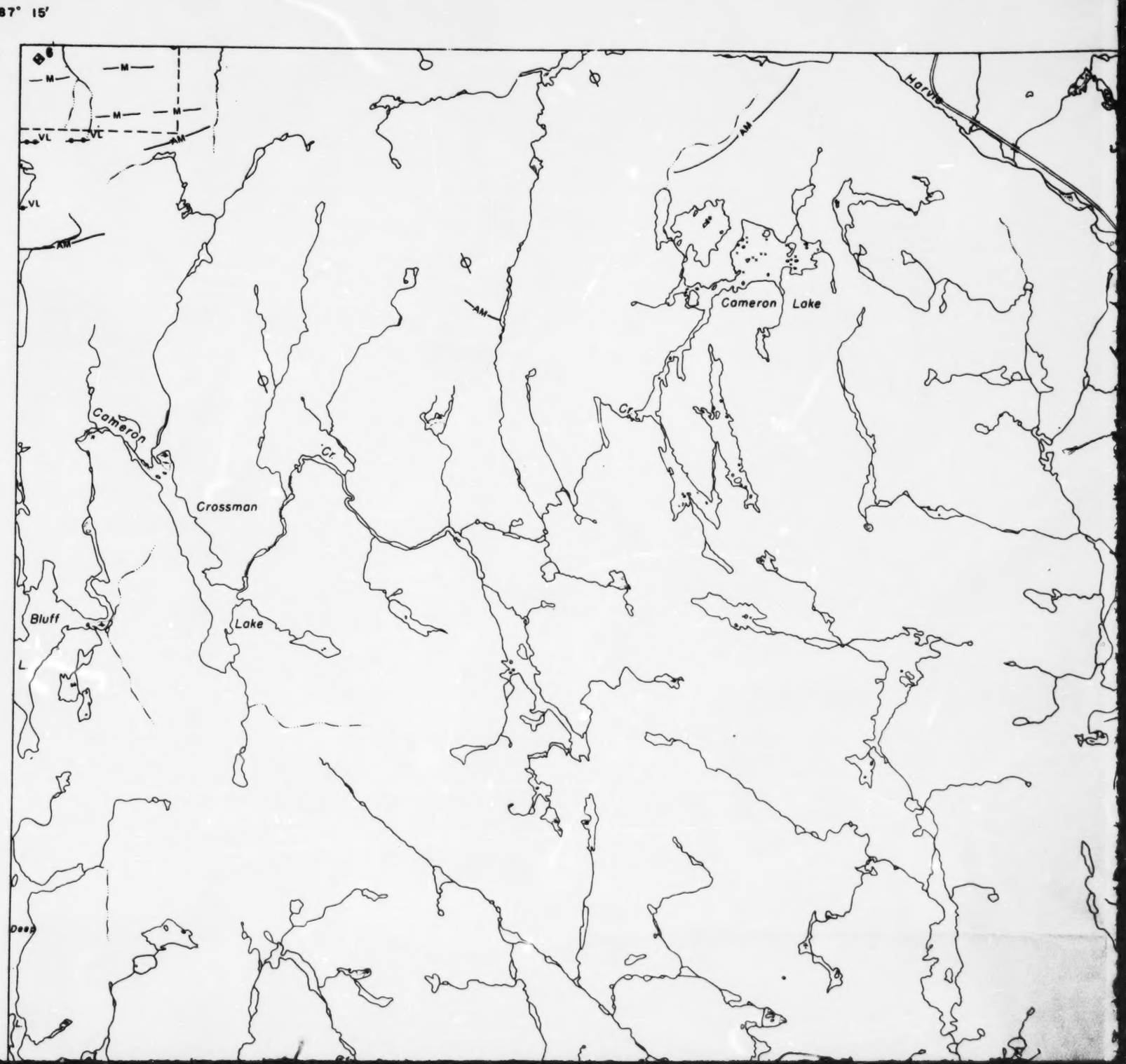
TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- Airborne Magnetometer Anomaly
- Airborne Electromagnetometer Anomaly Length of anomaly along flight line
- Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- Airborne Radiometric Anomaly
- Ground Magnetometer Anomaly
- Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- Ground Radiometric Anomaly
- Induced Polarization Anomaly
- Self Potential Anomaly
- Audio-frequency magnetometer anomaly (total intensity)
- Resistivity Anomaly



Cameron Lake

Aguasabon

Lake

Owl

Lake

Garnet Id.

Lower

Lake

Mn, Au

AM

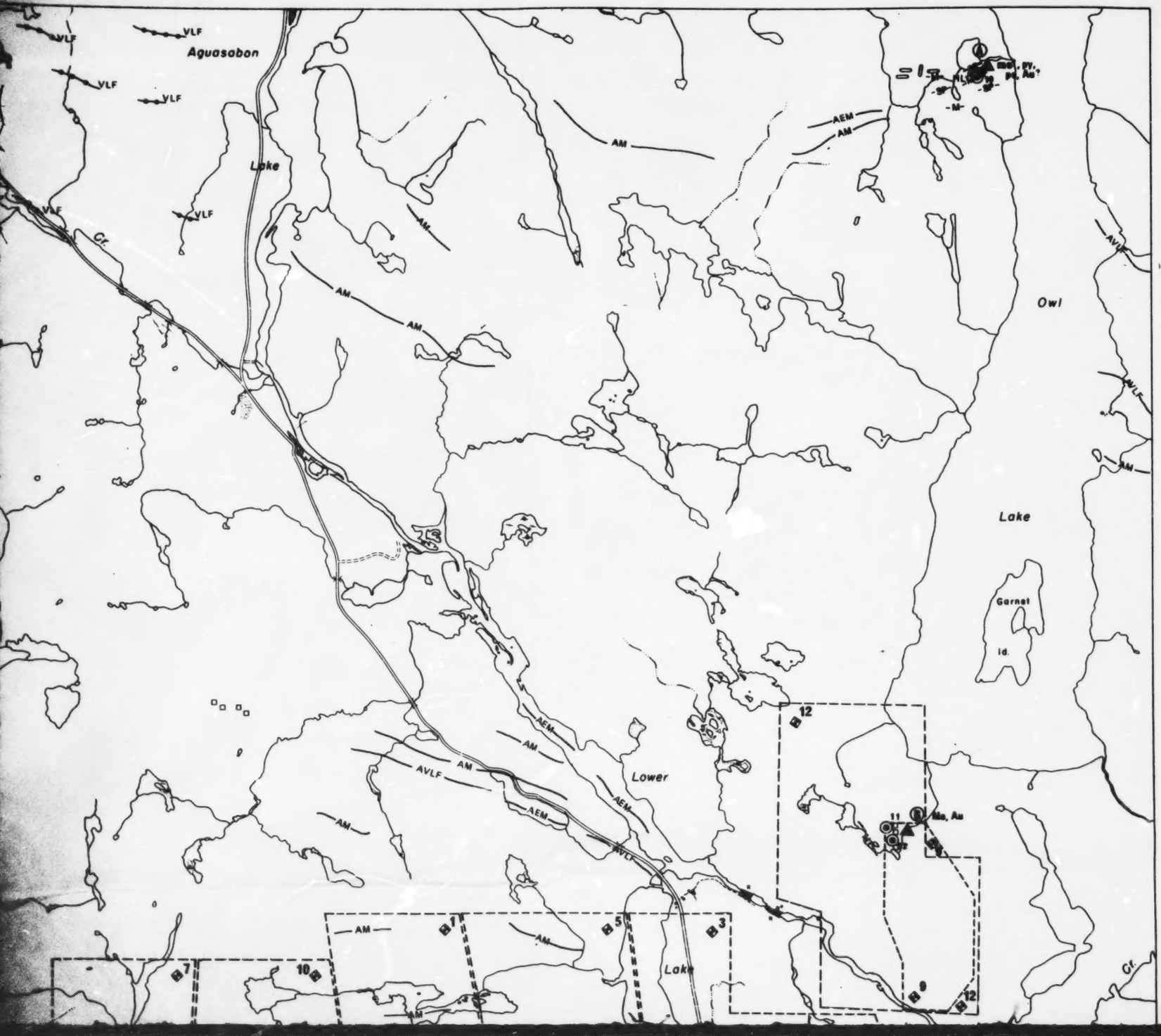
AEM

AVLF

VLF

87° 00'

49° 00'



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ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 226

(Map **2** of **2**)

LOWER AGUASABON LAKE AREA

DISTRICT OF THUNDER BAY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

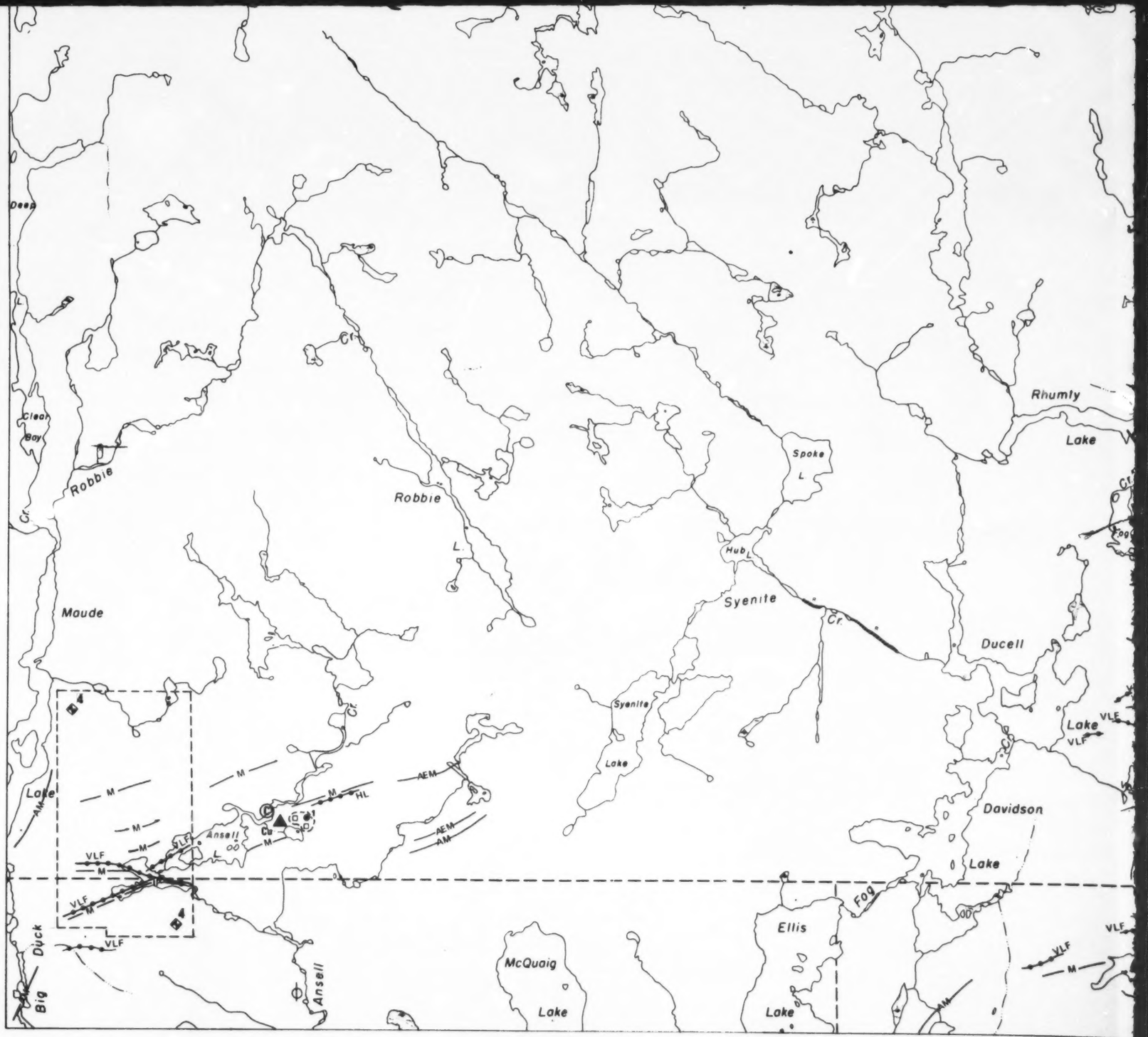
- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter

- ☐ ARA — Airborne Radiometric Anomaly
- ☒ M — Ground Magnetometer Anomaly
- ☒ VL — Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- ☐ RA — Ground Radiometric Anomaly
- ☒ IP — Induced Polarization Anomaly
- ☒ SP — Self Potential Anomaly
- ☐ AFMAG — Audio-frequency magnetometer anomaly (total intensity)
- ☐ R — Resistivity Anomaly
- ☐ GR — Gravity Anomaly
- ☒ AEM — Airborne Electromagnetic Anomaly
- ☒ AVLF — Airborne VLF-EM Anomaly

MISCELLANEOUS DATA

- ☒ Trenching, pit
- ☐ Adit
- ☐ Open pit
- ☒ Area of pits
- ☐ Rock quarry
- ☐ Sand and/or gravel pit

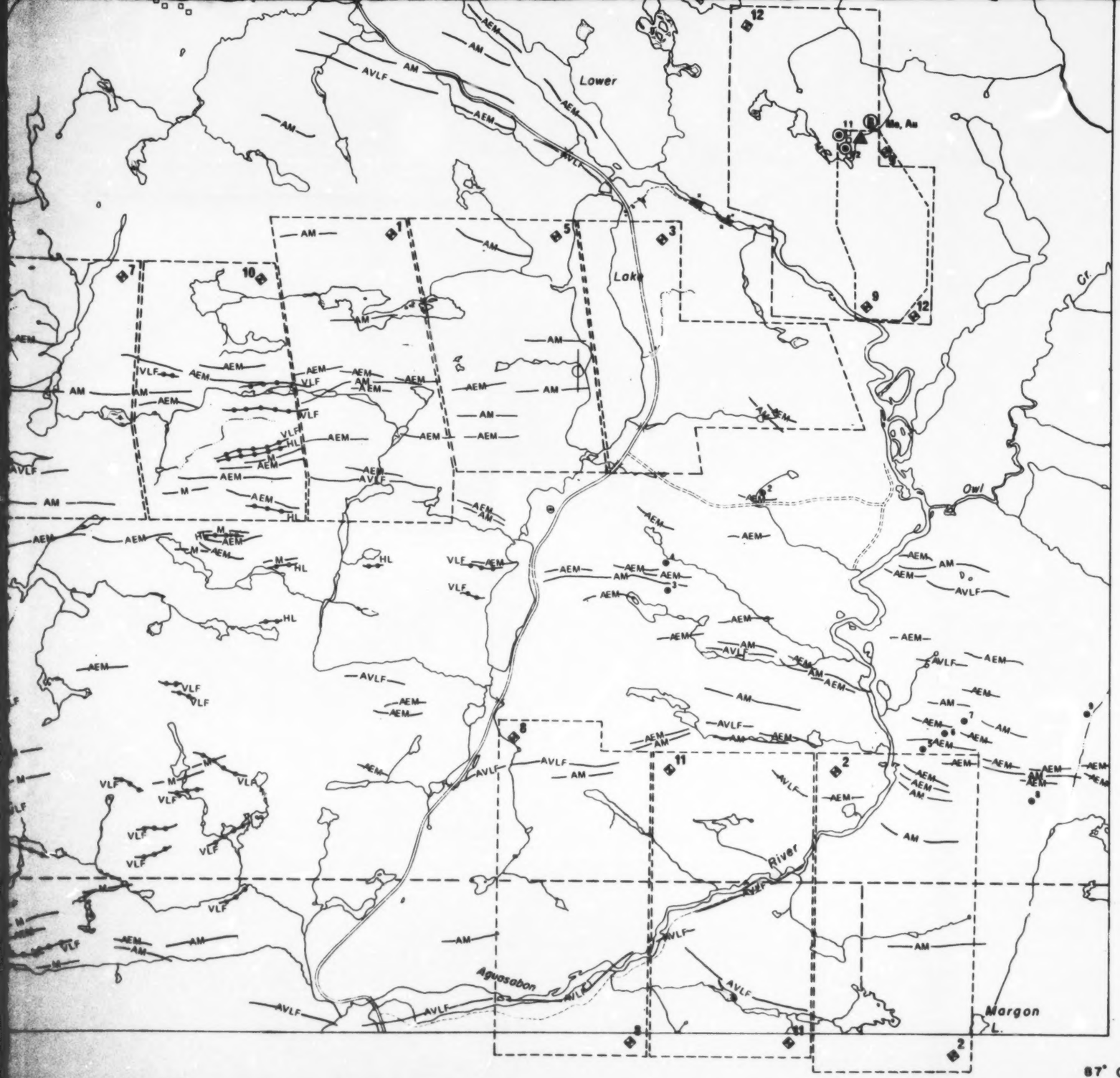
NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



46° 52' 30"

87° 15'

Rhumty Lake
Spoke L.
Hub L.
Syenite Cr.
Syenite Lake
Ducell Lake
Davidson Lake
Fog Lake
Ellis Lake
McQuaig Lake
Lower Lake
Owl Cr.
Aguasabon River
Margon L.
Mo, Au
87° 00'



GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized Float with reference letter

DRILL HOLES

- Location of single drill hole, with reference number
- Location of closely spaced group of drill holes, with reference number
- Drill hole, exact location uncertain, with reference number.
- Property with underground drill holes in this general area, with reference number
- Property with drill holes which have not been plotted on map, with reference number
- Reverse Circulation Drill Hole; Churn drilling, with reference number